

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

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**PCT**

## NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

	Date of Mailing (day/month/year)	
<b>17 OCT 1997</b>		
Applicant's or agent's file reference <b>42390.P1747</b>		
<b>IMPORTANT NOTIFICATION</b>		
International application No. <b>PCT/US96/20572</b>	International filing date (day/month/year) <b>17 DECEMBER 1996</b>	Priority Date (day/month/year) <b>19 DECEMBER 1995</b>
Applicant <b>INTEL CORPORATION</b>		<b>NO DOCKETING REQUIRED</b>

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. REMINDER

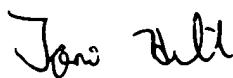
The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

**RECEIVED**  
OCT 20 1997

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN  
LOS ANGELES

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## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 42390.P1747	FOR FURTHER ACTION      See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US96/20572	International filing date (day/month/year) 17 DECEMBER 1996	Priority date (day/month/year) 19 DECEMBER 1995
International Patent Classification (IPC) or national classification and IPC IPC(6): G06F 9/34, 44, 46 and US Cl.: 395/393, 569, 570, 591, 678		
Applicant INTEL CORPORATION		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets.

This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 0 sheets.

3. This report contains indications relating to the following items:

- I  Basis of the report
- II  Priority
- III  Non-establishment of report with regard to novelty, inventive step or industrial applicability
- IV  Lack of unity of invention
- V  Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI  Certain documents cited
- VII  Certain defects in the international application
- VIII  Certain observations on the international application

Date of submission of the demand 07 JULY 1997	Date of completion of this report 02 SEPTEMBER 1997
Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer <i>WILLIAM TREAT</i> Telephone No. (703) 305-9699

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US96/20572

**I. Basis of the report**

1. This report has been drawn on the basis of (Substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments):

- the international application as originally filed.
- the description, pages 1-130, as originally filed.  
pages NONE, filed with the demand.  
pages NONE, filed with the letter of \_\_\_\_\_.  
pages       , filed with the letter of \_\_\_\_\_.
- the claims, Nos. 1-102, as originally filed.  
Nos. NONE, as amended under Article 19.  
Nos. NONE, filed with the demand.  
Nos. NONE, filed with the letter of \_\_\_\_\_.  
Nos.       , filed with the letter of \_\_\_\_\_.
- the drawings, sheets/fig 1-20, as originally filed.  
sheets/fig NONE, filed with the demand.  
sheets/fig NONE, filed with the letter of \_\_\_\_\_.  
sheets/fig       , filed with the letter of \_\_\_\_\_.

## 2. The amendments have resulted in the cancellation of:

- the description, pages NONE.
- the claims, Nos. NONE.
- the drawings, sheets/fig NONE.

3.  This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box Additional observations below (Rule 70.2(c)).

## 4. Additional observations, if necessary:

NONE

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US96/20572

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. STATEMENT**

Novelty (N)	Claims <u>1-102</u>	YES
	Claims <u>NONE</u>	NO
Inventive Step (IS)	Claims <u>1-102</u>	YES
	Claims <u>NONE</u>	NO
Industrial Applicability (IA)	Claims <u>1-102</u>	YES
	Claims <u>NONE</u>	NO

**2. CITATIONS AND EXPLANATIONS**

Claims 1-102 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest:  
 a transition means as described on page 59, line 22 through page 61, line 14 of the description and Figures 6A, 6B  
 of the drawings and as claimed in independent claims 1, 15, 29, 44, and 56;

a first set of physical registers and a second set of physical registers that appear to software as a single logical set  
 of registers as described on page 67, line 24 through page 85, line 21 of the description and Figures 7A, 7B, 7C, 8, and 9 of  
 the drawings and as claimed in independent claims 65, 70, 74, 78 and 86; and

transitioning to packed data mode and floating point mode using a first and second set of physical registers as  
 described in the specification on page 67, line 24 through page 85, line 21 of the description and Figures 7A, 7B, 7C, 8, and  
 9 of the drawings and as claimed in independent claims 97 and 98;

Claims 2-14, 16-28, 30-43, 45-55, 57-64, 66-69, 71-73, 75-77, 79-85, 87-96 and 99-102 meet the criteria set out in PCT  
 Article 33 (2)-(3) because of dependency of the aforementioned independent claims.

Claims 1-102 have industrial applicability under PCT Article 33(4) because the subject matter claimed can be made or used  
 in industry.

**— NEW CITATIONS —**

NONE